LITEMAX
Sunlight Readable LCD!

ENRICH YOUR VISUAL WORLD…

LITEMAX

SLD3225 & SLO3225

Series

Sunlight Readable 32” LCD Display

(2nd Edition 7/20/2009)

All information is subject to change without notice.

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RECORD OF REVISION

Version and Date	Page	Old Description	New Description	Remark

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INTRODUCTION

Welcome to enjoy the fantastic sightseeing world. This new technology will bring you the whole new feeling about the “monitor”. We show here some of the major advantages of the LCD monitor. You will really find some other advantages when you use it.

PACKING LIST

After you unpack your LCD Monitor, please make sure that the following items are included in the carton and in good condition. If you find that any of these items are damaged or missing, please contact your dealer immediately.

- One LCD Monitor
- 15-pin D-sub Video cable (Option)
- AC/DC adapter with 12V DC output (Option)
- AC power cord (Option)
- Quick installation Guide

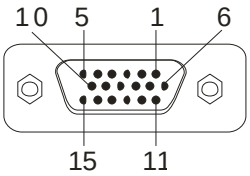
INSTALLATION

This analog LCD display **does not** require any special drivers. Necessary drivers are supplied by the video card manufacturer and may be found on the diskettes supplied with the video card that came with your computer. Windows 98/2000/XP drivers for both the display and the video card are supplied on the Windows 98/2000/XP CD or diskettes. Unfortunately, Microsoft did not provide a complete listing of the displays on the initial retail release. You may use the WXGA 1366x768 as the display type. The video card must also be set up correctly in Windows 98/2000/XP and make sure the video output of the VGA card is on list in Section 6.1 or check your Video Card manual or Windows 98/2000/XP Read me file for further information on Video Card. After the question listed above is solved, we continue the setup procedure as below.

1. Turn power off both Computer and Display before making any connection.
2. Install Display on the solid horizontal surface such as a table or desk.
3. Connect the power cable and the AC/DC adapter, then connect adapter toe the back of the LCD monitor.
4. The LCD monitor comes with a 15-pin video cable; you may use this cable for both IBM PC’s & compatibles and Macintosh.
5. Tighten the screws of the Display cable until the connectors are fastened securely.
6. Switch on power to the Computer system, then to the monitor.

VIDEO INPUT PIN ASSIGNMENT

This section describes the pin assignment of the LCD's video connector. It is called 15pin Mini D-sub connector.



Pin No.	Signal Connector
1	Red Video Signal
2	Green Video Signal
3	Blue Video Signal
4	N.C.
5	Ground
6	Ground for red video signal
7	Ground for green video signal
8	Ground for blue video signal
9	N.C.
10	Ground
11	N.C.
12	DDC data
13	Horizontal sync signal
14	Vertical sync signal
15	DDC clock

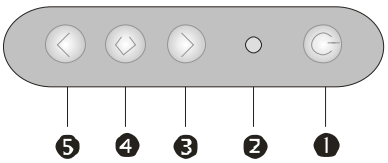
THE DISPLAY TIMING

The following table displays optimum quality modes that the LCD monitor provides. If the other video modes are used, the monitor will stop working or display a poor quality picture.

TIMMING	
MODE	RESOLUTION
VGA	640x480@60Hz
	640x480@72Hz
	640x480@75Hz
SVGA	800x600@56Hz
	800x600@60Hz
	800x600@72Hz
	800x600@75Hz
XGA	1024x768@60Hz
	1024x768@70Hz
	1024x768@75Hz
SXGA	1280x1024@60Hz
	1280x1024@70Hz
	1280x1024@75Hz
WXGA	1366x768@60Hz
WSXGA+	1680x1050@60Hz
SXGA+	1400x1050@60Hz(Pixel f 101.000MHz)
	1400x1050@60Hz(Pixel f 121.750MHz)
	1400x1050@75Hz
UXGA	1600X1200@60Hz
	1600x1200@65Hz
	1600x1200@75Hz

THE DISPLAY CONTROLS

Membrane Control Button



❶**POWER SWITCH:** Pushing the power switch will turn the monitor on. Pushing it again to turn the monitor off.

❷**Power LED:** Power ON-Green / Power off-No.

❸**Up Key >:** Increase item number or value of the selected item.

❹**Menu Key:** Enter to the OSD adjustment menu. It also used for go back to previous menu for sub-menu, and the change data don't save to memory.

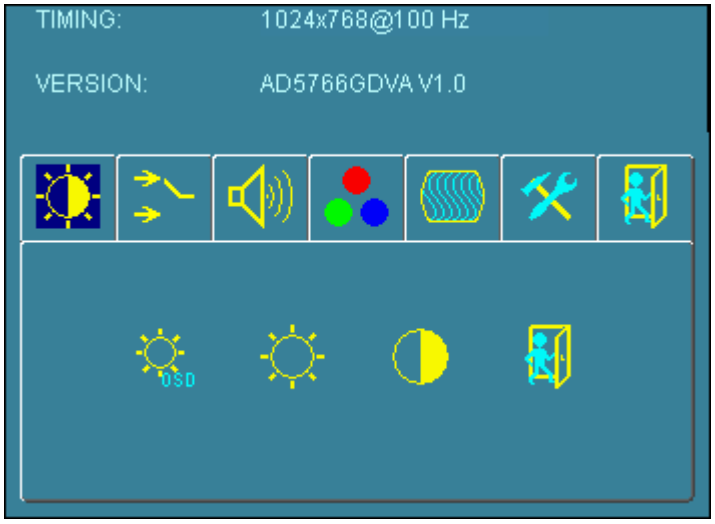
❺**Down Key <:** Decrease item number or item value when OSD is on.
When OSD is off, it is hot key for input switch between VGA, AV, and S-video.

Screen Adjustment Operation Procedure

1. **Entering the screen adjustment**
   The setting switches are normally at stand-by. Push the **Menu Key** once to display the main menu of the screen adjustment. The adjustable items will be displayed in the main menu.
2. **Entering the settings**
   Use the **Down Key <** and **Up Key >** buttons to select the desired setting icon and push the SELECT button to enter sub-menu.
3. **Change the settings**
   After the sub-menu appears, use the **Down Key <** and **Up Key >** buttons to change the setting values.
4. **Save**
   After finishing the adjustment, push the SELECT button to memorize the setting.
5. **Return & Exit the main menu**
   Exit the screen adjustment; push the "MENU" button. When no operation is done around 30 sec (default OSD timeout), it goes back to the stand-by mode and no more switching is accepted except MENU to restart the setting.

THE SCREEN ADJUSTMENT

By pressing the “menu” button, you will see the below picture. Across from timing you will see resolution, frequency, and V-frequency of the panel. Version shows the firmware control version. These cannot be altered by the user.



There are 7 sub menus within the OSD user interface: Brightness, Signal Select, Sound, Color, Image, Tools, and Exit.

When you press the “menu” button, you enter the “Brightness” sub directory. In this directory, you will see 4 selections:

press ’’menu’’

press ’’menu

press ’’menu’’

press ’’menu’’

OSD Brightness:

press ’’right’’ key

Press the “menu” once, to adjust the brightness. Press “left” to dim down the brightness to “0”, press “right” to increase the brightness to “100”

Ambient light sensor: Press this Icon for auto dimming. (OPTION) To use this option, the Litemax ambient light sensor needs to have been installed

Potentiometer: Navigate to this icon to adjust the VR function. (OPTION)

Ambient light sensor with OSD offset: To set minimum brightness level based on ambient light.

Press ’’right’’ key

Press ’menu’’ once, to adjust minimum luminance to fit your application (OPTION)

Contrast: Press “menu” and “right” buttons to adjust the contrast from “0” to “100”. To adjust from “100” to “0”, press “menu” and the “left” buttons.

Exit: You can exit this sub menu back to normal screen.

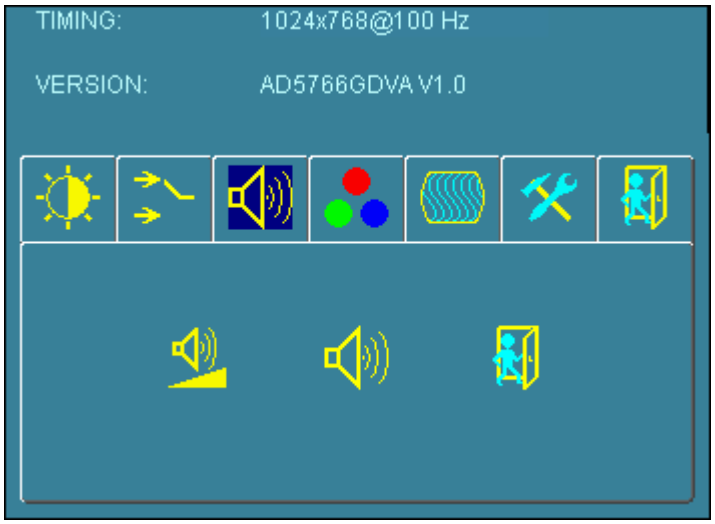
VGA **Analog:** RGB/VGA input

DVI **Digital:** DVI input

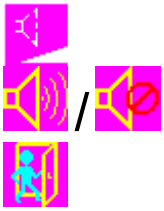
AV1 **AV1:** Composite input

S-Video **S-Video:** S-Video input

Exit **Exit:** You can exit this sub menu back to the beginning



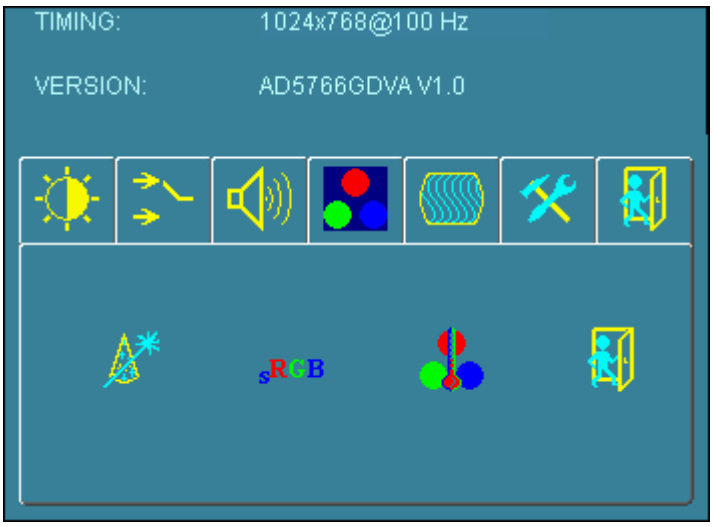
There are 3 options for “Sound” sub page.



Audio Volume: Audio volume adjustment.

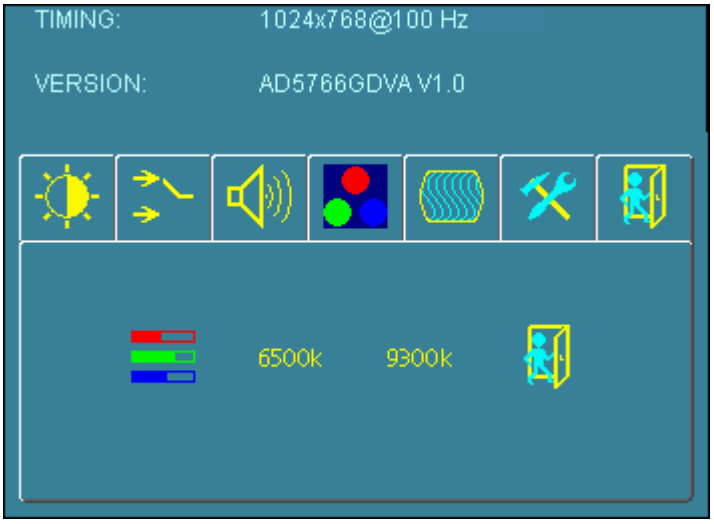
UnMute/Mute: You can mute the speaker by pressing this option.

Exit: back to the beginning menu.



Auto Color: By navigating over to the “Auto Color” option, optimal color performance is invoked.

SRGB: Windows standard color setting



Color Temperature: You have 3 options in this selection
.

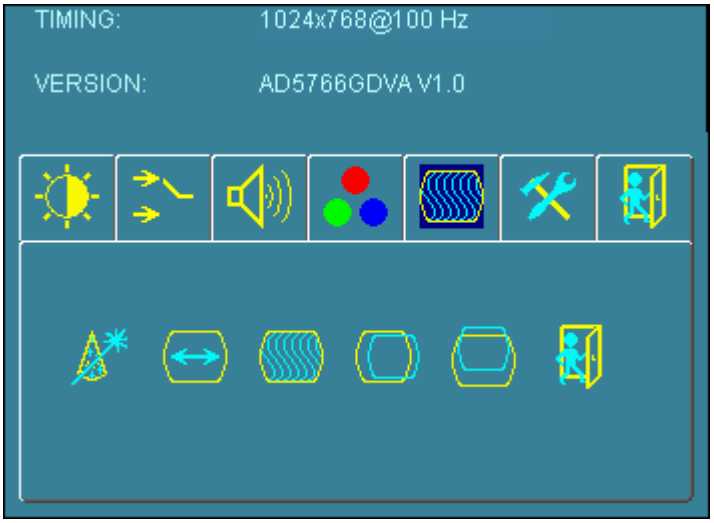
Color Temperature User Define: Default is 100 for “R”, “G”, and “B”.

Color Tempture_6500K: Warm color scheme

Color Tempture_93OOK: Cold color scheme

Exit: back to the normal screen.

Go to the “Image” page, and you will see the below picture



Auto Adjust: Choose this option and the AD5766 will adjust to the optimal horizontal and vertical frequency. You will see “Auto tune….” on the screen for around 3 seconds.

Clock: If you are not satisfied with the Auto tune result, you can adjust manually by pressing “Clock”. Using this will make the image wider.

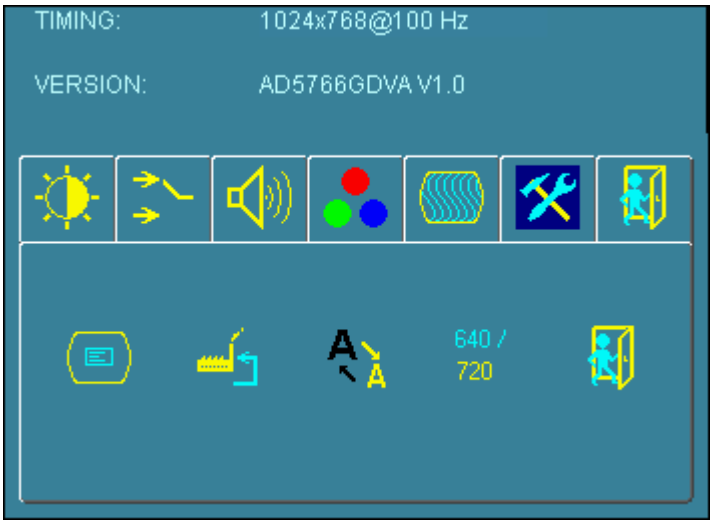
Phase: If “double images” appear around the characters, choose “Phase” to remove them..

HPos: You can shift the screen horizontally using this function.

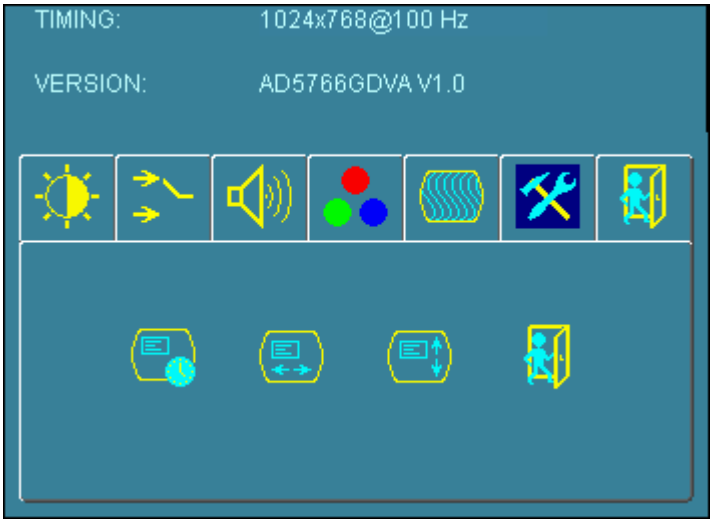
Vpos: You can shift the screen vertically using this function.

Exit: Back to normal screen.

On the “Tools” sub menu, you will see 5 icons.



OSD Control: Selecting this option, brings you to 4 more options:



OSD _time: Select time for the OSD user interface to stay on screen, for 2 sec. to 16 sec. Default is 6 sec.

OSD _HPos: Moves the OSD user interface horizontally on screen.

OSD _VPos: Moves the OSD user interface vertically on screen.

Exit: back to main menu.

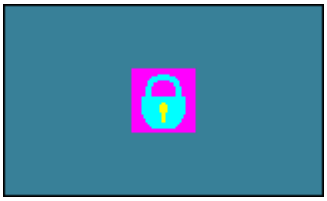
Factory_Reset: By pressing this, the screen will revert to factory settings, and the previous settings will be deleted.

Sharpness: Sharpen characters.

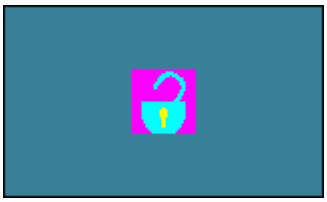
Dos_mode/Gxf_mode: For some old programs which use 640x400 and 720x400 (DOS Mode and graphics mode), This option needs to be selected manually.

Exit

OSD Lock Function: It is possible to lock all the OSD buttons to prevent unauthorized changes to occur by pressing “Menu” and “right >” buttons simultaneously. You will see the “lock” icon below on the center of the screen for 3 seconds. If any button is pushed after the lock function is initiated, the below icon will appear on the screen.'



To release the OSD lock, press “Menu” and “Right >”. The below icon will appear on the center of the screen for 3 seconds. Now all OSD keys are active again.



QUICK INSTALLATION

Please follow the following descriptions step by step. (The 7 diagrams can also be your references):

Step 1 Plug one terminal of the VGA cable to the signal connector at the rear of the LCD Monitor.
Step 2 Plug the other terminal of the VGA cable to the signal connector at the rear of PC.
Step 3 Plug Adapter output to the jack at the rear of LCD Monitor.
Step 4 Plug the Power cord to the Adapter.
Step 5 Connect the Power cord to power outlet.
Step 6 Turn on the LCD Monitor and PC.
Step 7 You can also plug in RCA jack to connect your video source like DVD or VCR.
You can view video over PC by pressing "PIP" button on remote controller

TROUBLESHOOTING TIPS

In the event that you experience trouble with your Display, check the following items before contacting the dealer from whom the Display was purchased. The most common problems usually involve an incorrectly an incorrect connection from the Video Card to the Display. We recommend that you also consult your Video Card User's manual during the Troubleshooting Procedure. Do not exceed the maximum refresh rate recommended for the display.

Problem	Troubleshooting Tip
No image on display screen	1. Check that power cord of the Computer has been connected securely into wall outlet or grounded extension cable or strip. 2. Check that power switch of the Display has been pressed and LED on the front of Display is lit. 3. Check that Video (Signal) cable from the Display has been securely and correctly connected. 4. Check that Video Card is firmly seated in card slot of Computer motherboard. 5. Check that the video input from the Video Card falls within the timing range.
Abnormal image	1. Check that the video input from the Video Card falls within the timing range. 2. Check that Video (Signal) Cable from the Display has been securely and correctly connected to the Video Connector at the rear side of the Computer.
Colors of image on screen are abnormal	1. Check that Video (Signal) Cable from the displays has been securely and correctly connected to the 15-pin Video Connector at the rear side of the computer.
Disturbances on Screen	1. OSD adjustment is incorrect. Please consult section for OSD screen adjustment procedures.

※ Please contact your local authorized distributors /retailers if you run into other unsolved problems.

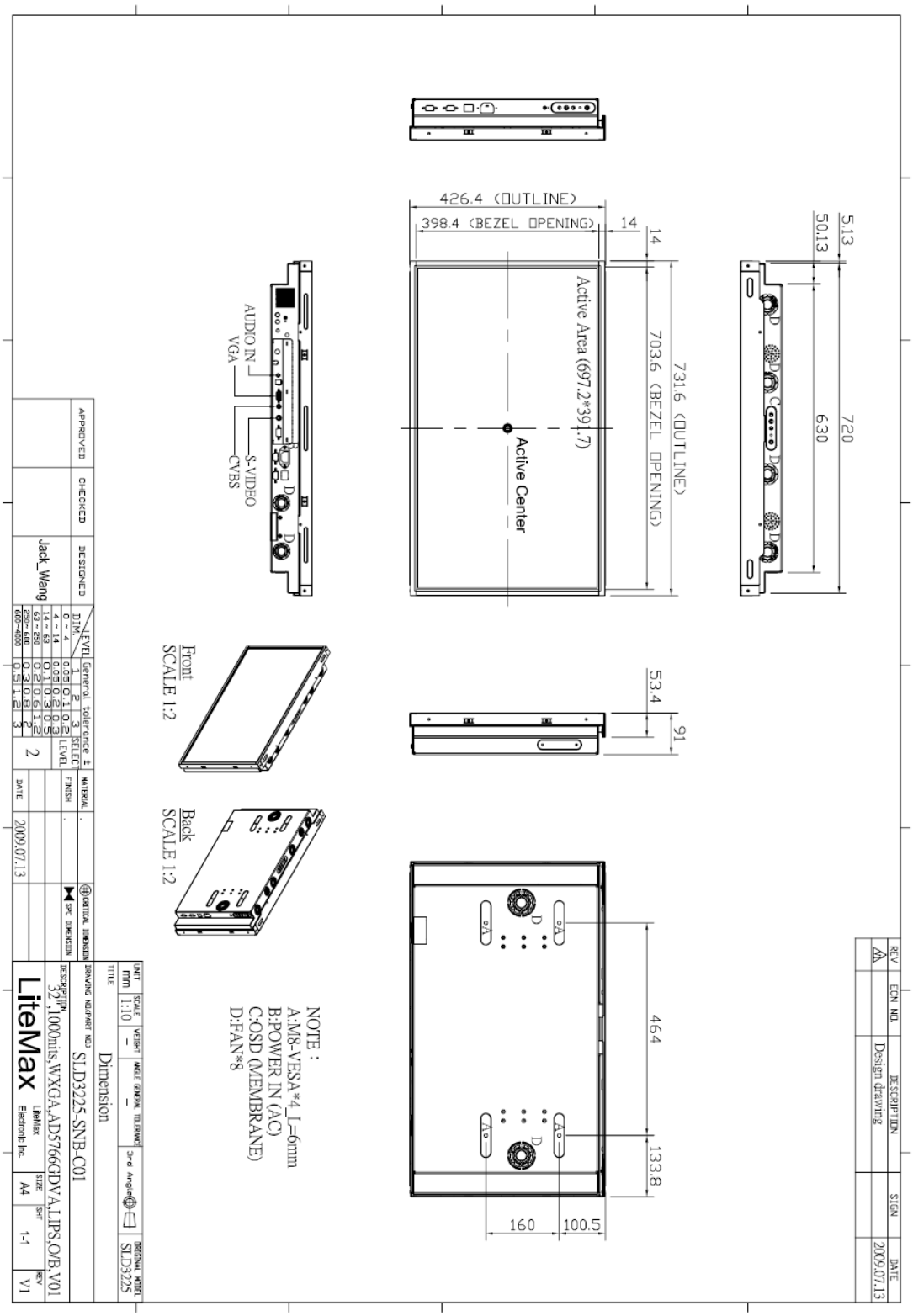
LCD SPECIFICATION

Model No.	SLD3225 & SLO3225
LCD Display	32" Wide CCFL Backlight LCD
Display Area (mm)	697.685 (H) x 392.256 (V)
Display Surface	Non-glare hard coated
Luminance	1000 cd/m^2
Resolution	1366 x 768(WXGA)
Contrast Ratio	2100 : 1 (Typ)
Display Colors	16.7M colors
Pixel Arrangement	RGB (Red, Green, Blue) vertical stripe
Pixel Pitch (mm)	0.51075mm
Response Time	6.5ms (Typ.)
Signal Connector	15 Pin D-sub, 29 Pin DVI
F/R Control Button	Power Switch, Menu, Select (+,-)
OSD Menu	Brightness, Contrast, H/V Position, Color, Phase, Clock, Language, Management
Power Consumption	At maximum luminance and checkered flag pattern 160W (Max)
Option	Touch (Resistive/ Capacitive)

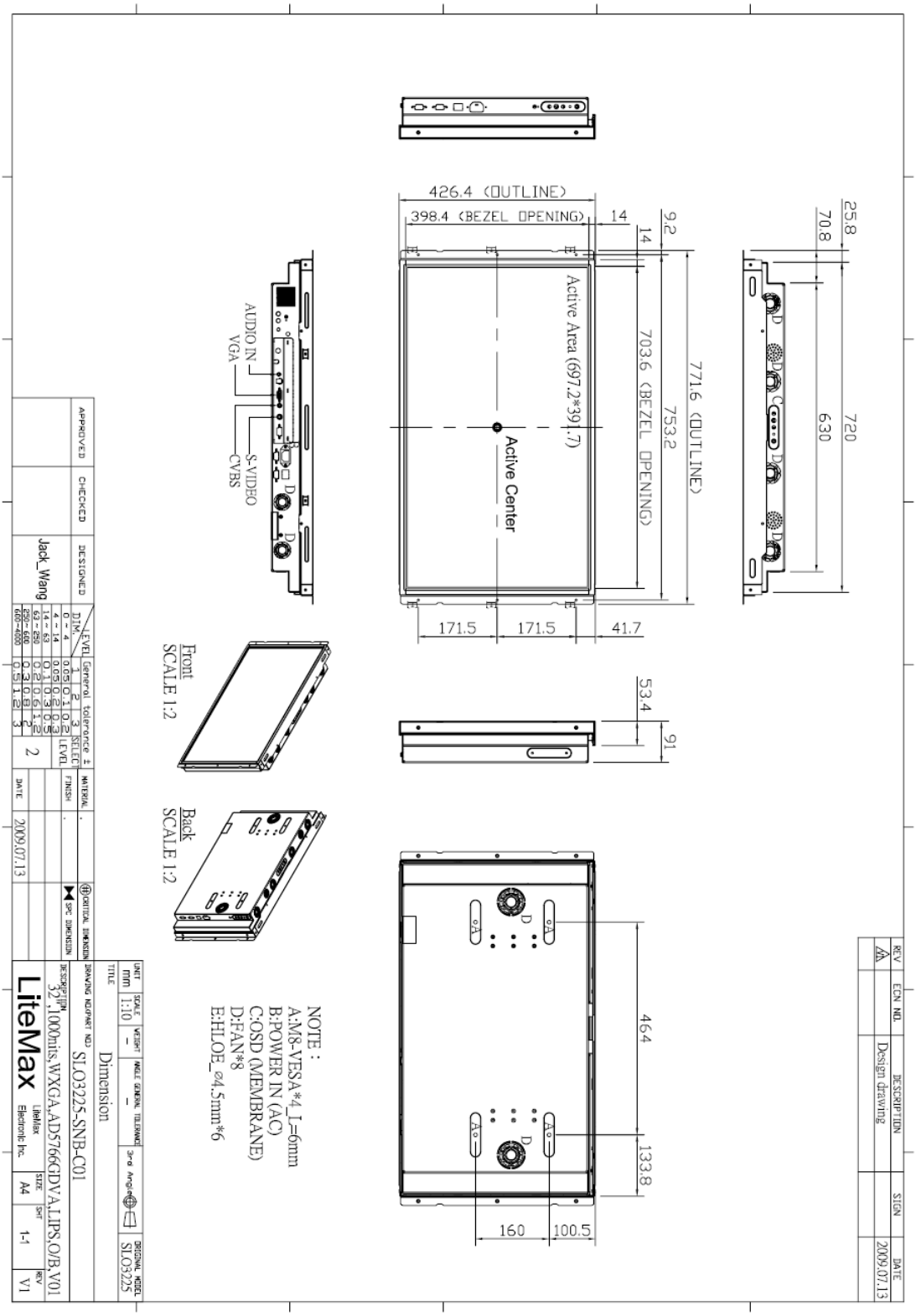
※ Specifications subject to change without notice.

TECHNICAL DRAWING

SLD3225 Drawing



SLO3225 Drawing



PRODUCT SAFETY PRECAUTIONS

Follow all warnings and instructions marked on the product.

Do not use this product near water.

This display should be installed on a solid horizontal base.

When cleaning, use only a neutral detergent cleaner with a soft damp cloth.
Do not spray with liquid or aerosol cleaners.

Do not expose this display to direct sunlight or heat. Hot air may cause damage to the cabinet and other parts.

Adequate ventilation must be maintained to ensure reliable and continued operation and to protect the display from overheating. Do not block ventilation slots and openings with objects or install the display in a place where ventilation may be hindered.

This display should be operated from the type of power source indicated on the AC/DC adapter.

Do not install this display near a motor or transformer where strong magnetism is generated. Images on the display will become distorted and the color irregular.

Do not allow metal pieces or objects of any kind fall into the display from ventilation holes.

Do not attempt to service this unit yourself. Removal of the display cover may expose you to dangerous voltage or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel in the event that:

1. Liquid is spilled into the product or the product is exposed to rain or water.
2. The product does not operate normally when the operating instructions are followed.
3. The product has been dropped or the cabinet has been damaged.
4. The product exhibits a distinct change in performance, indicating a need for service.
5. Power cord or plug is damaged or frayed.

General specifications for the LCD
The following items are neither defects nor failures.

- Response time, luminance and color gamut may be changed by ambient temperature.
- The LCD may be seemed luminance uniformity, flicker, vertical seam and/or small spot by display patterns.
- Optical characteristics (e.g. luminance, display uniformity, etc.) gradually is going to change depending on operating time, and especially low temperature, because the LCD has cold cathode fluorescent lamps.

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